SEQUENCE LISTING

<110> GUY, GOROCHOV et al.

<120> METHODS FOR CONSTRUCTION AND SCREENING OF LIBRARIES OF CHEMOKINE VARIANTS

<130> 2121-0180P

<140> US 10/791,814
<141> 2004-03-04

<150> US 09/945,665
<151> 2001-09-05

<150> PCT/EP 02/11045
<151> 2002-09-05

<160> 40

<170> PatentIn version 3.1

<210> 1
<211> 10
<212> PRT
<213> Unknown

<220>
<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 1

Leu Ser Pro Val Ser Ser Gln Ser Ser Ala
1   5   10

<210> 2
<211> 10
<212> PRT
<213> Unknown

<220>
<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 2

Phe Ser Pro Leu Ser Ser Gln Ser Ser Ala
1   5   10

<210> 3
<211> 10
<212> PRT
<213> Unknown

<220>
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<400>    3

Leu Ser Pro Met Ser Ser Gln Ser Pro Ala
1                 5                  10


<210>    4
<211>    10
<212>    PRT
<213>    Unknown

<220>
<223>  Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400>    4

Trp Ser Pro Leu Ser Ser Gln Ser Pro Ala
1                 5                  10


<210>    5
<211>    10
<212>    PRT
<213>    Unknown

<220>
<223>  Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400>    5

Trp Ser Pro Leu Ser Ser Gln Ser Ser Pro
1                 5                  10


<210>    6
<211>    10
<212>    PRT
<213>    Unknown

<220>
<223>  Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400>    6

Leu Ser Pro Gln Ser Ser Leu Ser Ser Ser
1                 5                  10


<210>    7
<211>    10
<212>    PRT
<213>    Unknown

<220>
<223>  Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400>    7
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Ala Ser Ser Gly Ser Ser Gln Ser Thr Ser
1   5   10

<210> 8
<211> 10
<212> PRT
<213> Unknown

<220>
<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 8

Ile Ser Ala Gly Ser Ser Gln Ser Thr Ser
1   5   10

<210> 9
<211> 10
<212> PRT
<213> Unknown

<220>
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<400> 9

Arg Ser Pro Met Ser Ser Gln Ser Ser Pro
1   5   10

<210> 10
<211> 10
<212> PRT
<213> Unknown

<220>
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<400> 10

Tyr Ser Pro Ser Ser Ser Leu Ala Pro Ala
1   5   10

<210> 11
<211> 10
<212> PRT
<213> Unknown

<220>
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<400> 11

Met Ser Pro Leu Ser Ser Gln Ala Ser Ala
1   5   10

<210> 12
<211> 10
<212> PRT
<213> Unknown

<220>
<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 12

Ala Ser Pro Met Ser Ser Gln Ser Ser Ser
1   5   10

<210> 13
<211> 10
<212> PRT
<213> Unknown

<220>
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<400> 13

Gln Ser Pro Leu Ser Ser Gln Ala Ser Thr
1   5   10

<210> 14
<211> 10
<212> PRT
<213> Unknown

<220>
<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 14

Gln Ser Pro Leu Ser Ser Thr Ala Ser Ser
1   5   10

<210> 15
<211> 10
<212> PRT
<213> Unknown

<220>
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<400> 15

Leu Ser Pro Leu Ser Ser Gln Ser Ala Ala

4

<210> 16
<211> 10
<212> PRT
<213> Unknown

<220>
<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 16

Gly Ser Ser Ser Ser Ser Gln Thr Pro Ala
1   5   10

<210> 17
<211> 10
<212> PRT
<213> Unknown

<220>
<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 17

Tyr Ser Pro Leu Ser Ser Gln Ser Ser Pro
1   5   10

<210> 18
<211> 10
<212> PRT
<213> Unknown

<220>
<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 18

Phe Ser Ser Val Ser Ser Gln Ser Ser Ser
1   5   10

<210> 19
<211> 9
<212> PRT
<213> Artificial sequence

<220>
<223> tag HA 1.1 peptide sequence

<400> 19

Tyr Pro Tyr Asp Val Pro Asp Tyr Ala

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<210>  20
<211>  39
<212>  DNA
<213>  Artificial sequence

<220>
<223>  PCR downstream primer

<400>  20
tggggcccct ctagacatct ccaaagagtt gatgtactc                                    39


<210>  21
<211>  99
<212>  DNA
<213>  Artificial sequence

<220>
<223>  PCR upstream primer

<220>
<221>  misc_feature
<222>  (25)..(26)
<223>  n is a, c, g, or t

<220>
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<222>  (31)..(31)
<223>  n is a, c, g, or t

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<223>  n is a, c, g, or t

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<223>  n is a, c, g, or t

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<223>  n is a, c, g, or t

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<220>
<221>  misc_feature
<222>  (52)..(52)
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<223> n is a, c, g, or t

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ctcgcggccc agccggccat ggccnnktcc ncannktcct cgnnknccnc ancctgctgc   60

tttgcctaca ttgcgcggcc gctgccccgt gcccacatc   99

<210> 22
<211> 10
<212> PRT
<213> Unknown

<220>
<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 22

Ile Ser Ala Gly Ser Ser Glu Leu Ala Ala
1   5   10

<210> 23
<211> 10
<212> PRT
<213> Unknown

<220>
<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 23

Ala Ser Pro Leu Ser Ser Gln Ser Ser Ser
1   5   10

<210> 24
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa = L or an aromatic residue

<220>
<221> misc_feature
<222> (3)..(3)
<223> Xaa = S,P,T or A

7

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<220>
<221>  misc_feature
<222>  (4)..(4)
<223>  Xaa = L, M or V

<220>
<221>  misc_feature
<222>  (8)..(10)
<223>  Xaa = S,P,T or A

<400>  24

Xaa Ser Xaa Xaa Ser Ser Gln Xaa Xaa Xaa
1               5                   10


<210>  25
<211>  10
<212>  PRT
<213>  Artificial Sequence

<220>
<223>  Consensus biopanning on CCR5 cells


<220>
<221>  misc_feature
<222>  (4)..(4)
<223>  Xaa = L, M or V


<400>  25

Leu Ser Pro Xaa Ser Ser Gln Ser Ser Ala
1               5                   10


<210>  26
<211>  10
<212>  PRT
<213>  Artificial Sequence

<220>
<223>  Consensus biopanning on 1D2 antibody


<220>
<221>  misc_feature
<222>  (8)..(8)
<223>  Xaa = A, P or S


<400>  26

Arg Ser Pro Pro Ser Ser Arg Xaa Ala Ser
1               5                   10
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<210>  27
<211>  9
<212>  PRT
<213>  Homo sapiens

<400>  27

Ser Pro Tyr Ser Ser Asp Thr Thr Pro
1               5


<210>  28
<211>  10
<212>  PRT
<213>  Artificial Sequence

<220>
<223>  RANTES library sequence

<220>
<221>  misc_feature
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<223>  Xaa = any amino acid, unknown or other

<220>
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<222>  (3)..(3)
<223>  Xaa = A, P, S or T

<220>
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<223>  Xaa = any amino acid, unknown or other

<220>
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<223>  Xaa = any amino acid, unknown or other

<220>
<221>  misc_feature
<222>  (8)..(10)
<223>  Xaa = A, P, S or T

<400>  28

Xaa Ser Xaa Xaa Ser Ser Xaa Xaa Xaa Xaa
1               5                   10


<210>  29
<211>  10
<212>  PRT
<213>  Artificial Sequence

<220>
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<223>   Consensus biopanning sequence

<220>
<221>   misc_feature
<222>   (4)..(4)
<223>   Xaa = A, P, S or T

<400>   29

Leu Ser Pro Xaa Ser Ser Gln Ser Ser Ala
1   5   10

<210>   30
<211>   10
<212>   PRT
<213>   Unknown

<220>
<223>   Cloned peptide sequence (mammalian)

<400>   30

Val Ser Thr Leu Ser Ser Pro Ala Ser Thr
1   5   10

<210>   31
<211>   10
<212>   PRT
<213>   Unknown

<220>
<223>   Cloned peptide sequence (mammalian)

<400>   31

Ala Ser Ser Phe Ser Ser Arg Ala Pro Pro
1   5   10

<210>   32
<211>   10
<212>   PRT
<213>   Unknown

<220>
<223>   Cloned peptide sequence (mammalian)

<400>   32

Gln Ser Ser Ala Ser Ser Ser Ser Ser Ala
1   5   10

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<210>    33
<211>    10
<212>    PRT
<213>    Unknown

<220>
<223>    Cloned peptide sequence (mammalian)

<400>    33

Gln Ser Pro Gly Ser Ser Trp Ser Ala Ala
1                   5                   10


<210>    34
<211>    10
<212>    PRT
<213>    Unknown

<220>
<223>    Cloned peptide sequence (mammalian)

<400>    34

Gln Ser Pro Pro Ser Ser Trp Ser Ser Ser
1                   5                   10


<210>    35
<211>    10
<212>    PRT
<213>    Unknown

<220>
<223>    Cloned peptide sequence (mammalian)

<400>    35

Gln Ser Pro Leu Ser Ser Phe Thr Ser Ser
1                   5                   10

<210>    36
<211>    10
<212>    PRT
<213>    Unknown

<220>
<223>    Cloned peptide sequence (mammalian)

<400>    36

Ala Ser Pro Gln Ser Ser Leu Pro Ala Ala
1                   5                   10



<210>    37
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11

<211>   10
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Consensus sequence 1

<220>
<221>   misc_feature
<222>   (7)..(7)
<223>   Xaa is an aromatic residue

<400>   37

Gln Ser Pro Gln Ser Ser Xaa Ser Ser Ala
1   5   10

<210>   38
<211>   10
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Consensus sequence 2

<220>
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<222>   (10)..(10)
<223>   Xaa can be any naturally occurring amino acid

<400>   38

Leu Ser Pro Gln Ser Ser Leu Ser Ser Xaa
1   5   10

<210>   39
<211>   10
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic peptide

<220>
<221>   misc_feature
<222>   (1)..(1)
<223>   Xaa = L or an aromatic residue

<220>
<221>   misc_feature
<222>   (4)..(4)
<223>   Xaa = L, M or V

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<220>
<221>  misc_feature
<222>  (8)..(10)
<223>  Xaa = S,P,T or A

<400>  39

Xaa Ser Pro Xaa Ser Ser Gln Xaa Xaa Xaa
1               5               10


<210>  40
<211>  68
<212>  PRT
<213>  Homo sapiens

<400>  40

Ser Pro Tyr Ser Ser Asp Thr Thr Pro Cys Cys Phe Ala Tyr Ile Ala
1               5               10              15


Arg Pro Leu Pro Arg Ala His Ile Lys Glu Tyr Phe Tyr Thr Ser Gly
            20              25              30


Lys Cys Ser Asn Pro Ala Val Val Phe Val Thr Arg Lys Asn Arg Gln
        35              40              45


Val Cys Ala Asn Pro Glu Lys Lys Trp Val Arg Glu Tyr Ile Asn Ser
    50              55              60


Leu Glu Met Ser
65
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